

Example Scripts

Here are some example scripts. They introduce the basic and advance topics discussed in this HOWTO. They should be easily adaptable to your own uses. I tried to keep the scripts simple so that the focus would be on the ioapiTools package. An additional module that I recommend for providing key word arguments and command line control is optparse.

To use these scripts, simply download the files. make them executable (e.g. 'chmod u+x write_ioapi.py'), edit the setup section for your file paths, and run them. You can download the files as a tar file, [demo_scripts.tar.gz](#), or individually:

-
- [Reading a variable and writing a CF netCDF file](#)
 - [Reading a variable and writing an IOAPI file](#)
 - [Reading a variable across multiple files](#)
 - [Spatially subsetting a variable](#)
 - [Temporally subsetting a variable](#)
 - [Vertically subsetting a variable](#)
 - [Coordinate conversions](#)
 - [Changing the start date of a variable](#)
 - [Variable arithmetic and changing metadata](#)
 - [Converting to cdms variables and Numeric arrays](#)
 - [Advanced spatial subsetting](#)
 - [Plotting](#)
 - [Creating a daily average variable](#)
 - [Masking a variable and creating new iovar variables](#)
-

• [. Contents](#)